



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr. & Associate Inc.

7-15-15, Russell, KS

1515 Wynkoop
STE 700 Denver CO 80202

Witt #2-7

Job Ticket: 54447

DST#: 2

ATTN: Dan Pritchard

Test Start: 2013.10.07 @ 12:33:46

GENERAL INFORMATION:

Formation: **KC F-U.G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:32:44

Time Test Ended: 20:22:44

Test Type: Conventional Bottom Hole (Reset)

Tester: Paul Simpson/Tim Phi

Unit No: 59

Interval: **3192.00 ft (KB) To 3225.00 ft (KB) (TVD)**

Total Depth: 3295.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1898.00 ft (KB)

1888.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **6753**

Inside

Press @ Run Depth: 175.02 psig @ 3195.00 ft (KB)

Start Date: 2013.10.07

End Date:

2013.10.07

Start Time: 12:33:51

End Time:

20:22:44

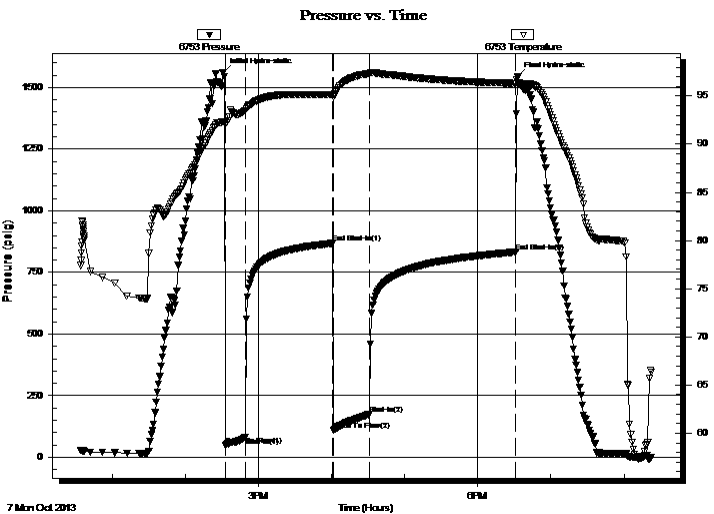
Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2013.10.07 @ 14:30:44

Time Off Btm: 2013.10.07 @ 18:32:44

TEST COMMENT: IFP-10-BOB in 8 min
ISI-75-No blow back
FF-30-Good surface blow built to 9 in.
FSI-120-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1561.10	92.32	Initial Hydro-static
2	50.28	92.04	Open To Flow (1)
18	80.61	93.47	Shut-In(1)
90	867.93	95.14	End Shut-In(1)
91	108.55	94.88	Open To Flow (2)
120	175.02	97.32	Shut-In(2)
241	832.87	96.31	End Shut-In(2)
242	1543.65	96.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
380.00	MW 90%Water 10%Mud	5.33
0.00	Rw .08 @ 68 = 110,000 ppm	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



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FLUID SUMMARY

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Witt #2-7

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DST#: 2

ATTN: Dan Pritchard

Test Start: 2013.10.07 @ 12:33:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity: 110000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
380.00	MW 90%Water 10%Mud	5.330
0.00	Rw .08 @ 68 = 110,000 ppm	0.000

Total Length: 380.00 ft Total Volume: 5.330 bbl

Num Fluid Samples: 0

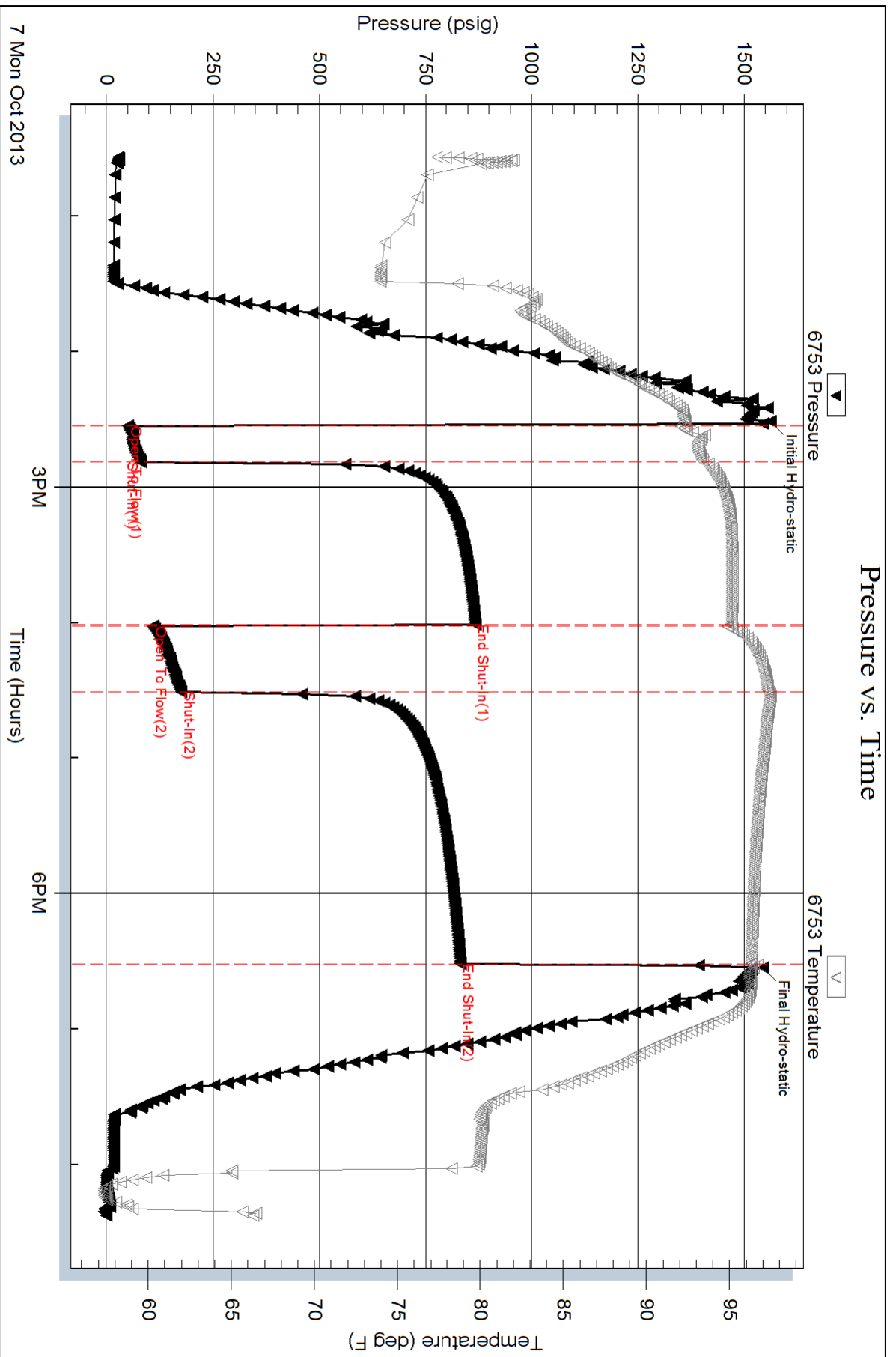
Num Gas Bombs: 0

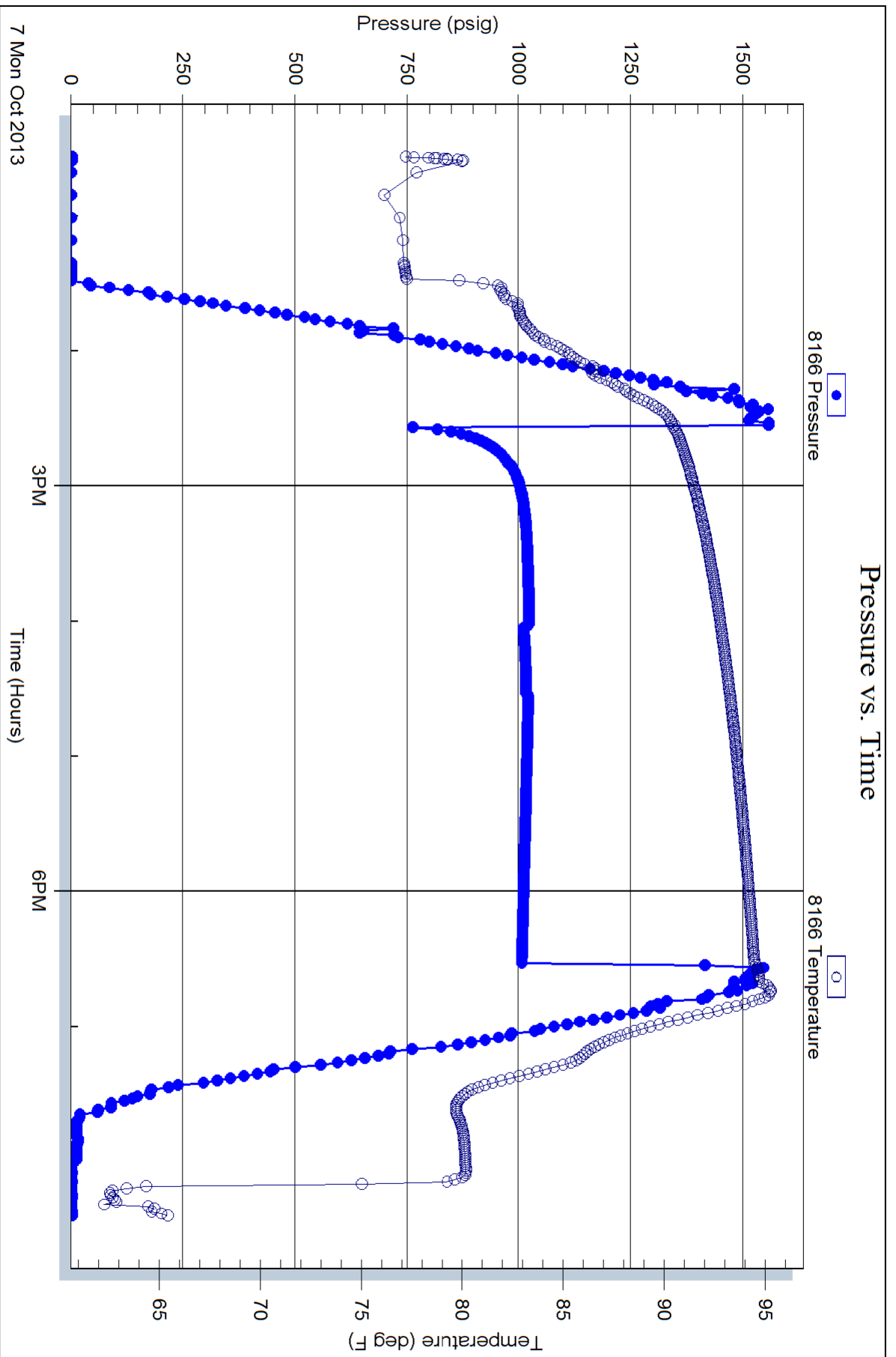
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 2300 ml Water 700psi





Serial #: 8319

Fluid

Sam Gary Jr. & Associate Inc.

Well #2-7

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 54447

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